



MURANG'A UNIVERSITY OF TECHNOLOGY

SCHOOL OF EDUCATION

UNIVERSITY ORDINARY EXAMINATION

2017/2018 ACADEMIC YEAR

**FIRST YEAR FIRST SEMESTER EXAMINATION FOR THE DEGREE OF
BACHELOR OF SCIENCE IN MATHEMATICS AND COMPUTER SCIENCE
BACHELOR OF SCIENCE IN MATHEMATICS AND ECONOMICS**

TDP 101 – PSYCHOLOGY OF EDUCATION

DURATION: 2 HOURS

DATE: 8TH DECEMBER, 2017

TIME: 9.00 – 11.00 A.M.

Instructions to Candidates:

1. Answer **Question 1** and **Any Other Two** questions.
2. Mobile phones are not allowed in the examination room.
3. You are not allowed to write on this examination question paper.

SECTION ONE - COMPULSORY

QUESTION ONE

- (a) Outline two human development principles of heredity and development. (2 marks)
- (b) Distinguish between physiological and psych-sociological needs (3 marks)
- (c) State three of Erick Ericksons contributions towards child psychology as a scientific discipline (3 marks)
- (d)
 - i. Define the term teratogens as used in prenatal development (2marks)
 - ii. Explain how teratogens may affect pre-natal development. (2 marks)
 - iii. Identify two functions of the placenta during pregnancy (2 marks)
- (e)
 - i. Define the following terms showing how they may lead to the intellectual growth of the learners
 - a. Adaptation (2 marks)
 - b. Assimilation (2 marks)
 - c. Accommodation (2 marks)
 - ii. Show how each of the above affect the intellectual growth of the learner (3 marks)
- (f)
 - i. Define adolescence (2 marks)
 - ii. State three factors that contribute to the characteristics of the adolescent. (3marks)
- (g) Identify two developmental tasks of an individual during the early adulthood (2 marks)

SECTION TWO – ANSWER ANY TWO QUESTIONS

QUESTION TWO

- (a) Describe the three stages of prenatal development (12 marks)
- (b) Explain how the following factors affect the unborn child (8 marks)
 - i. Maternal age
 - ii. Drugs
 - iii. Maternal diet
 - iv. Mothers emotional state

QUESTION THREE

- (a) Define the term language (2 marks)
- (b) Describe the few stages of language development (12 marks)
- (c) Explain three ways a teacher can help a learner to acquire language (6 marks)

QUESTION FOUR

- (a) Describe the following areas of adolescent development (16 marks)
 - i) Physical
 - ii) Personality
 - iii) Moral
 - iv) Emotional
- (b) Explain four ways in which adolescent can be helped to cope with the challenges and problems they experience (4 marks)